

**Surname (nom de famille):** ..... **First Name (prénom):** .....

**Date of birth:** ...../...../..... **Sex:**  M  F **Phone number:** .....

**Address: #**.....**Street**.....**Village**.....**Commune/Sangkat**.....**District/Khan**.....**Province**.....

**Clinical information:** .....

.....

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**Sample information:**  Urine  Stool  Pus  Sputum  ORL  Other .....

**For the Sample that was not collected the Institut Pasteur Laboratory:** Collection time.....  AM  PM Date: ...../...../.....

**HEMATOLOGY (EDTA tube)**

Blood group ABO-Rh (On-site)

Blood smear (< 24 h)

CD4/CD8 lymphocyte count

Complete Blood Count (CBC)

Eryth. Sedimentation Rate (ESR)

Hemoglobin electrophoresis

G6PD

Reticulocytes

Myelogram (Smear slides)

**Blood parasites (EDTA tube)**

Diagnosis of Malaria

Diagnosis of Filariasis

**Hemostasis (Citrate tube)**

Bleeding time (On-site)

Prothrombin time (<4h)

Partial thromboplastin time (<4h)

**BIOCHEMISTRY**

**Lipid profile (Heparinate tube)**  
Fasting > 12h

Total cholesterol

HDL cholesterol + calculated LDL

Triglycerides

**Carbohydrate (Fluoride tube)**

Fasting blood sugar (Fasting > 8 h)

Postprandial blood sugar (2 h after meal)

Glycosuria (24h urine)

Oral Glucose Tolerance Test

Gestational diabetes screening (50 g)

Gestational diabetes diagnosis (75 g)

Gestational diabetes confirmation (100 g)

HbA1C (EDTA)

**Liver profile (Heparinate tube)**

Total bilirubin

Total and conjugated bilirubin

Gamma GT (GGT)

**Transaminases (TRAS):**

ASAT/SGOT  ALAT/SGPT

Alkaline phosphatase (ALP)

**Liver panel (SGOT-SGPT-GGT-ALP-Bilirubin-Albumin)**

**Kidney**

Blood urea nitrogen

Creatinine + Clearance (blood)

Creatinine (24 h urine)

Electrolytes (Na, K, Cl) (<4h)

Proteinuria (24 h urine)

Protein/creatinine ratio – spot urine

**Thyroid balance (Dry tube)**

**Thyroid test (THYR):**

FT3  FT4  TSH

**Thyroid screening test (TSH4):**  
TSH & FT4

**Protein Profile (Heparinate tube)**

Albumin

Serum protein electrophoresis (Dry tube)

Total protein

**Iron metabolism (Heparinate tube)**

Ferritin (Dry tube)

Iron (Fasting > 8 h)

Transferrin

Transferrin Saturation (Transferrin + Iron)

**Tumor markers (Dry tube)**

AFP  CA 15-3

CA 19-9  CA 125

CA 72-4  CEA

PSA (Total + Free / ratio)

**Hormonal balance (Dry tube)**

Beta-HCG

Cortisol (Sampling at 8:00)

Estradiol

FSH

LH

Progesterone

Prolactin

**Vitamins (Dry tube)**

B12 (Fasting > 8 h)

B9 (Fasting > 8 h)

Vitamin D (>2h after meal)

**Cardiac markers (Heparinate tube)**

Creatine kinase (CK)

Lactate dehydrogenase (LDH)

**Other biochemistry (Heparinate tube)**

**Ca & Phosphorus (CAPH):**

Ca  Phosphorus

CRP

IgE Total (Red tube)

Lactic acid (Fluoride tube <4h)

Lipase

Magnesium

Uric acid (>2h after meal)

**Semen**

Semen analysis

Detection of semen in urine

**PANEL TEST:**

**Essential Health Screening (EHS)**

↳ CBC, Fasting blood sugar, Lipid profile, GOT, GPT, GGT, Creatinine + Clearance, Blood urea nitrogen, Uric Acid, Electrolytes, TSH, Urinalysis (Urine strip - 10 parameters).

**STDs serology (MST)**

↳ HIV + Syphilis + HCV

**Serology during pregnancy (PREG)**

↳ Toxoplasmosis + Rubeola + HIV + Syphilis

**Full panel STDs (STD)**

↳ HIV + Syphilis + HCV + HBs antigen + CT/NG PCR

**SEROLOGY (Dry tube)**

**Hepatitis A**

Anti-HAV IgM

Anti-HAV total antibodies

**Hepatitis B**

HBs antigen

Anti-HBs (Quantitative)

Anti-HBc (total antibodies)

Anti-HBc IgM

HBe antigen

Anti-HBe

**Hepatitis B screening (DHBV)**

HBs Ag + anti-HBs + anti-HBc

**Hepatitis B Follow-up (SHBV)**

HBe Ag + anti-HBe

**Healing control (GHBV)**

HBs Ag + anti-HBs

**Vaccination control**

Anti-HBs (Quantitative)

**Pregnancy monitoring**

HBs Ag (M6 of pregnancy)

**Hepatitis C**

Anti-HCV antibodies

**HIV**

Screening serology

Immunoblot confirmation

**Other serology**

Syphilis

Toxoplasmosis (IgM + IgG)

Rubeola (IgM + IgG)

CMV (IgM + IgG)

ASLO

Rheumatoid factor

Amoebiasis screening (latex agglutination)

Typhoid (Widal)

Dengue Fever rapid test (NS1, IgG, IgM)

Leptospirosis IgM

**OTHER TESTS:**

Quantification BCR-ABL transcript

COVID-19 Rapid Diagnostic Test (RDT)

**MOLECULAR BIOLOGY:**

**Viral load (EDTA tube):**  HBV  HCV  HIV

**Genotyping (EDTA tube)**

HCV genotype  HBV genotype and resistance

HIV genotyping, 1<sup>st</sup> line mutation

HIV genotyping, 2<sup>nd</sup> line mutation

HIV genotyping, 3<sup>rd</sup> line mutation

**Other PCR diagnoses**

Leptospirosis (Dry tube)

Chlamydia trachomatis and Neisseria gonorrhoeae

High-risk Papillomavirus (HPV)

Detection of Toxin producing Clostridium difficile

PCR COVID-19

PCR Triplex COVID-19 / Flu / RSV

PCR Triplex Arboviruses (Dengue / Chick / Zika)

**BACTERIOLOGY:**

Direct smear (Gram)

Bacteriology (Direct smear + Culture)

Identification Maldi-TOF (Colony)

**Mycology**

Mycology (Direct smear + Culture)

Detection of Cryptococcus neoformans

Detection of Pneumocystis jirovecii

**Parasitology**

Body fluid parasitology

Stool parasitology (Store at room temperature)

Detection of Cryptosporidium in stool

**Blood culture**

Aerobic  Anaerobic  Pediatric

**Body fluid**

Biochemistry (Glucose + proteins)

Cytology + biochemistry + bacteriology

**Urine**

Urine strip (10 parameters)

Cytology  Cytology and culture

**Stool**

Stool bacteriology

Detection of multi-drug resistant bacteria

Detection of blood (Fecal occult blood test)

Detection of H. pylori antigen

Detection of Rotavirus + Adenovirus

**Genital samples:**  Sperm  Urethral  Vaginal

Bacteriology  Mycology  Mycoplasma

**MYCOBACTERIOLOGY:**

Smear microscopy  Culture & Identification

1<sup>st</sup> line drug susceptibility testing (H, R, E & S)

2<sup>nd</sup> line drug susceptibility testing (Am, Km, Cm, FQ)

GeneXpert MTB/RIF Ultra

LPA for 1<sup>st</sup> line drugs (GenoType MTBDRplus)

LPA for 2<sup>nd</sup> line drugs (GenoType MTBDRsl)

M. tuberculosis complex species identification

**Nontuberculous mycobacteria species identification:**

GenoType CM  GenoType AS

GenoType NTM-DR (Detection of resistance to macrolides and aminoglycosides)

**Date:** ...../...../.....

**Name of Medical Doctor, Signature :** .....